

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	Attorney Docket No.: <b>MIKI0004</b>
Keiichiro OISHI	)	Confirmation No. 1327
Serial No.: 10/596,849	)	Group Art Unit: 1742
Filed: July 27, 2006	)	Examiner: Unassigned
For: COPPER BASED ALLOY CASTING	)	Date: October 30, 2006
IN WHICH GRAINS ARE REFINED	)	

**INFORMATION DISCLOSURE STATEMENT**

**MAIL STOP: AMENDMENT**

United States Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this  
Information Disclosure Statement in connection with the above-identified application is  
being filed in accordance with 37 C.F.R. §1.97(b):

- ☐ within three months of the filing date of this application (not a C.P.A.);
- ☐ within three months of the date of entry of the National Stage;
- ☒ before the mailing date of a first Office Action on the merits; or  
before the mailing of a first Office Action on the merits of, after the filing of a  
Request for Continued Examination (RCE) under §1.114.

A copy of each non-U.S. document identified on the attached Forms PTO/SB/08A and PTO/SB/08B is attached.

Listed under Foreign Patent Documents Document 1 relates to Copper Alloy.

Listed Under Non-Patent Literature Documents Document 1 relates to The Cleavage Strength of Polycrystals. Document 2 relates to The Deformation and Ageing of Mild Steel. Document 3 relates to Kornfeinung von Aluminium-, Blei-, Zinn-, Kupfer- und Nickellegierungen-ein Überblick. Document 4 relates to Kornfeinung von Kupferlegierungen. Document 5 relates to Einfluß einer Kornfeinung mit Zirkonium auf Erstarrungsmorphologie, Speisungsvermögen und Festigkeitseigenschaften von Messing CuZn30 und Siliciummessing CuZn15Si4. Document 6 relates to Untersuchung der Kornfeinung von Kupfer-Zinn-Legierungen mit Zirkonium und/oder Bor und Eisen sowie ihres Einflusses auf die mechanischen Eigenschaften. Document 7 relates to Estudio de la combinación de los procesos de afinamiento de grano de colada y filtrado en latones. Document 8 relates to Kornfeinung von Kupfer-Sandgußlegierungen und ihr Einfluß auf die Güteeigenschaften. Document 9 relates to Fading of Grain Refinement in Leaded Yellow Brass (C85800) and SeBiLOY III (C89550, EnviroBrass III). Document 10 relates to Grain Refinement of Permanent Mold Cast Copper-Base Alloys. Document 11 relates to Evaluation of Grain Refinement of Leaded Yellow Brass (C85800) and EnviroBrass III (C89550) using Thermal Analysis. Document 12 relates to Effects of Grain Refinement on Hot Tear Resistance and Shrinkage Characteristics of Permanent Mold Cast Yellow Brass (C85800). Document 13, relates to Fading of Grain Refinement in Permanent Mold Cast Copper Alloys. Document 14 relates to A New Grain Refiner for Copper-Zinc Alloys containing 25-42%Zinc. Document 15 relates to Grain Refinement of Copper Base Alloys. Document 16

relates to Grain Refinement of Permanent Mold Cast Silicon Brass, Silicon Bronze and Red Brass. Document 17 relates to Grain Refinement of Sand Cast Bronzes and its Influence on Their Properties. Document 18 relates to Grain Refinement Studies on Leaded and Bi/Se Modified Yellow Brasses. Document 19 relates to An Overview of ICA-Funded Research and Development at MTL/Canmet.

Their relevance is believed to be clear from the present specification. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.

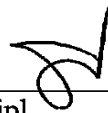
It is respectfully requested that the attached documents be considered and officially cited, and that the Examiner initial a copy of Forms PTO/SB/08A and PTO/SB/08B, and return them to the undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the Director is hereby authorized to charge the necessary fee to Deposit Account No.

50-1281.

Respectfully submitted,

*GRIFFIN & SZIPL, PC*



---

Joerg-Uwe Szipl  
Registration No. 31,799

GRIFFIN & SZIPL, PC  
Suite PH-1  
2300 Ninth Street, South  
Arlington, VA 22204

Telephone: (703) 979-5700  
Facsimile: (703) 979-7429  
E-mail: GandS@szipl.com  
Customer No.: 24203